

**METHODS OF DETECTING
POLY(ADP-RIBOSE) POLYMERASE ENZYMATIC ACTIVITY**

ABSTRACT

- 5 The invention provides methods for assaying poly(ADP-ribose) polymerase (PARP) activity and methods for the identification of modulators of PARP activity. These methods comprise contacting immobilized PARP with NAD under conditions that allow PARP auto-ribosylation, contacting the auto-ribosylated PARP with a detectable marker to form a complex and then indirectly or directly measuring the amount of detectable
- 10 marker bound to the auto-ribosylated PARP, this amount being indicative of PARP activity.

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